(19) World Intellectual Property **Organization** International Bureau





(43) International Publication Date 16 June 2005 (16.06.2005)

PCT

(10) International Publication Number WO 2005/055030 A3

(51) International Patent Classification7: G06F 3/033. G09F 9/37

(21) International Application Number:

PCT/JP2004/018685

(22) International Filing Date: 8 December 2004 (08.12.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

2003-409150

8 December 2003 (08.12.2003) JP

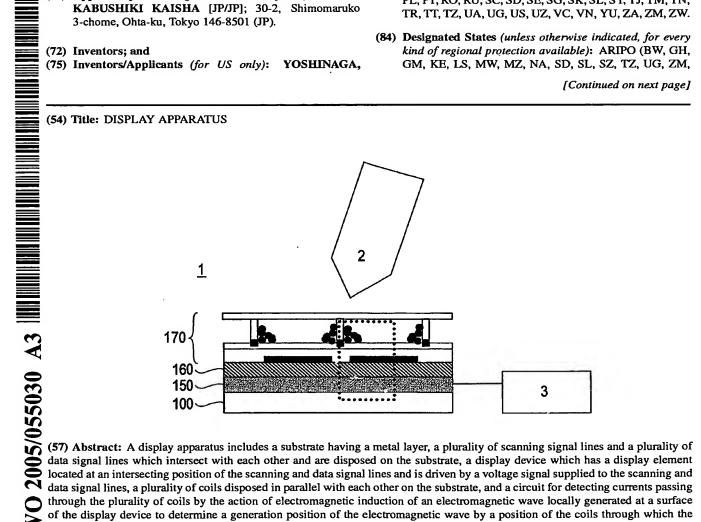
2003-428471

24 December 2003 (24.12.2003)

(71) Applicant (for all designated States except US): CANON KABUSHIKI KAISHA [JP/JP]; 30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo 146-8501 (JP).

Hideki [JP/JP]; 4362-23, Izumicho, Izumi-ku, Yokohama-shi, Kanagawa 245-0016 (JP). MORI, Hideo [JP/JP]; 3-16-41, Gumizawa, Totsuka-ku, Yokohama-shi, Kanagawa 245-0061 (JP). OKAMOTO, Hideaki [JP/JP]; 1-1-410, Nagataminamidai, Minami-ku, Yokohama-shi, Kanagawa 232-0075 (JP).

- (74) Agent: YAMADA, Ryuichi; Toko International Patent Office, Hasegawa Bldg. 4F, 7-7, Toranomon 3-chome, Minato-ku, Tokyo 105-0001 (JP).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.



through the plurality of coils by the action of electromagnetic induction of an electromagnetic wave locally generated at a surface of the display device to determine a generation position of the electromagnetic wave by a position of the coils through which the currents pass. The metal layer as a substrate material is a thin electroconductive metal plate which is flexible and not readily broken.



ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report: 22 December 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

Inten nal Application No PCT/JP2004/018685

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G06F3/033 G09F9/37

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 G09F G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

ategory °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
(US 6 489 899 B1 (ELY DAVID T. E ET AL) 3 December 2002 (2002-12-03) column 23, line 34 - column 24, line 65; figures 23-27	1-11
A	US 6 445 489 B1 (JACOBSON JOSEPH M ET AL) 3 September 2002 (2002-09-03) column 4, line 42 - line 56 column 11, line 13 - line 17; figure 1	1,6,7,11
A .	WO 92/16368 A (CALCOMP INC) 1 October 1992 (1992-10-01) page 3, line 30 - page 5, line 5; figures 3-6	1,7,11

Yunner documents are listed in the continuation of box C.	X Patent family members are listed in allihex.
"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filling date "L" document whic's may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filling date but later than the priority date claimed	"T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the International search report
10 October 2005	21/10/2005
Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016	Mouton, B

INTERNATIONAL SEARCH REPORT

Inten al Application No PCT/JP2004/018685

		PCT/JP2004/018685						
C.(Continua	C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No.							
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.						
A	EP 0 461 614 A (SEIKO INSTRUMENTS INC) 18 December 1991 (1991-12-18) page 2, line 56 - line 59 page 4, line 32 - line 44; figure 1	1,7,11						
A	FERRARIS L ET AL: "EMI shielding-common problems and containment strategies" ELECTROMAGNETIC COMPATIBILITY PROCEEDINGS, 1997., 1997 INTERNATIONAL SYMPOSIUM ON BEIJING, CHINA 21-23 MAY 1997, NEW YORK, NY, USA, IEEE, US, 21 May 1997 (1997-05-21), pages 86-89, XP010242980 ISBN: 0-7803-3608-9 the whole document	7–10						
A	EP 0 511 406 A (SEIKO INSTRUMENTS INC) 4 November 1992 (1992-11-04) column 4, line 13 - line 58 column 6, line 19 - column 7, line 17; figures 1-3	1,7,11						
A	US 5 444 190 A (YAMANAMI ET AL) 22 August 1995 (1995-08-22) column 3, line 31 - column 4, line 55; figures 1,2	1,7,11						
Α	SOGLASNOVA V A ET AL: "AMPLITUDE AND PHASE CHARACTERISTICS OF METAL MESHES-THE ELEMENTS OF SUBMILLIMETER INTERFERENCE FILTERS" INTERNATIONAL JOURNAL OF INFRARED AND MILLIMETER WAVES, PLENUM PUBLISHING, NEW YORK, US, vol. 14, no. 1, January 1993 (1993-01), pages 155-165, XP000298863 ISSN: 0195-9271 the whole document	7-10						
Α .	WANG JING ET AL: "The calculating and analysis of shielding effectiveness of metal meshes in transient electromagnetic interference" ENVIRONMENTAL ELECTROMAGNETICS, 2003. CEEM 2003. PROCEEDINGS. ASIA-PACIFIC CONFERENCE ON HANGZHOU, CHINA NOV. 4-7, 2003, PISCATAWAY, NJ, USA, IEEE, 4 November 2003 (2003-11-04), pages 379-385, XP010695959 ISBN: 7-5635-0802-3 the whole document	7–10						
		·						

INTERNATIONAL SEARCH REPORT

Information on patent family members

Inter nat Application No
PCT/JP2004/018685

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 6489899	B1	03-12-2002	NONE	-		
US 6445489	B1	03-09-2002	US	2003076573 A	\1	24-04-2003
WO 9216368	A	01-10-1992	AU AU CA CN DE DE EP ES	664698 E 1556592 A 2109615 A 1065147 A 69225397 D 69225397 T 0576542 A 2117047 T	\ \1 \ \ \ \1 \1	30-11-1995 21-10-1992 21-09-1992 07-10-1992 10-06-1998 03-09-1998 05-01-1994 01-08-1998
EP 0461614	Α	18-12-1991	JP JP US	3145385 E 4047321 A 5220324 A	A	12-03-2001 17-02-1992 15-06-1993
EP 0511406	Α	04-11-1992	WO.	9209029	A1	29-05-1992
US 5444190	Α	22-08-1995	JP	5158606 /	4	25-06-1993